

Claims

1. SIP protocol,
comprising at least one protocol element for displaying the
cause(s) of the bearer modification.
- 5 2. SIP protocol in accordance with claim 1,
in which the protocol element is embedded in a content
disposition header field in accordance with the RFC2183
standard.
3. SIP protocol in accordance with one of the previous claims,
10 in which the protocol element is embedded in an SDP protocol
in accordance with the RFC2327 standard.
4. SIP protocol in accordance with one of the previous claims,
in which the protocol element is embodied as the parameter
(action) which can be provided a number of times.
- 15 5. SIP protocol in accordance with the previous claim,
in which the range of values of the parameter has at least one
of the following values: connect-backward, connect-forward,
connect-forward-no-notification, connect-forward-plus-
notification, connect-forward-no notification-plus-selected
20 codec, connect-forward-plus-notification-plus-selected codec,
connected, switched, selected-codec, modify-codec, successful-
codec-modification, codec-modification-failure, mid-call-
codec-negotiation, modify-to-selected-codec-information, mid-
call-codec-negotiation-failure, redirect-backwards-request,
25 redirect-forwards-request, redirect-bearer-release-request,
proceed, redirect-bearer-release-complete, redirect-cut-
through-request, redirect-bearer-connected-indication,
redirect-failure, remote-hold, remote-hold-ack, remote-
retrieval, remote-retrieval-ack.
- 30 6. SIP protocol in accordance with one of the previous claims,

in which the SIP protocol is embodied in accordance with one of the standards RFC2543, RFC3261 or RFC3372.

7. Method for modification of the bearer in a communication network in which the cause of the bearer modification is signaled with the protocol in accordance with one of the previous protocol claims - especially with protocol elements which are provided in an MIME message body of SIP messages embodied in accordance with the RFC2045 standard.
8. Computer program product (P) - especially SIP Client software (SC) - comprising software codes section with which the method in accordance with the previous method claim is executed by least one processor.
9. Device - especially controller (MGC), SIP telephone or SIP proxy (SP), including means for executing a method in accordance with the previous method claim.
10. Arrangement - especially packet-oriented network (IN), integrated voice-data network (SDN) or hybrid network (IN PSTN), comprising computer program products and/or devices for executing a method in accordance with the previous method claim.